

**Amendments to the Claims**

This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

1. (Currently amended) An electric solenoid comprising a plurality of components formed of solenoid-quality stabilized ferritic stainless steel, wherein said stabilized ferritic stainless steel comprises, in terms of weight percentage, about 21% to about 35% chromium and at least one element selected from the group consisting of titanium and columbium, and wherein each of said at least one element is present at no more than about 1.5 weight percent.

2. (Cancelled).

3. (Original) An electric solenoid in accordance with Claim 1 wherein at least two of said plurality of components are adjacent and are joined together by welding.

4. (Original) An electric solenoid in accordance with Claim 3 wherein said welding is carried out by laser fusion of said adjacent components.

5. (Currently amended) A fuel injector assembly comprising a plurality of components formed of solenoid-quality stabilized ferritic stainless steel, wherein at least two of said plurality of components are adjacent and are joined together by welding, wherein said stabilized ferritic stainless steel comprises, in terms of weight percentage, about 21% to about 35% chromium and at least one element selected from the group consisting of titanium and columbium, and wherein each of said at least one element is present at no more than about 1.5 weight percent.

6. (Original) A fuel injector in accordance with Claim 5 further comprising an electric solenoid actuator.

7. (Original) A fuel injector assembly in accordance with Claim 6 wherein said solenoid-quality stabilized ferritic stainless steel is a free machining grade.

8. (Original) A fuel injector assembly in accordance with Claim 7 wherein said free machine grade solenoid-quality stabilized ferritic stainless steel comprises chip-breaking inclusions.

9. (Original) A fuel injector assembly in accordance with Claim 8 wherein said inclusions comprise sulfur and manganese.

10. (Cancelled).

11. (Previously presented) A fuel injector assembly in accordance with Claim 5 wherein said welding is carried out by laser fusion of said adjacent components.

12. (Previously presented) A fuel injector assembly in accordance with Claim 5 wherein said plurality of components includes an injector body.

13. (Original) A fuel injector assembly in accordance with Claim 12 wherein said plurality of components further includes a solenoid body.

14. (Original) A fuel injector assembly in accordance with Claim 13 further including a seat assembly formed of a martensitic stainless steel.

15. (Cancelled).

16. (Original) A fuel injector assembly in accordance with Claim 5 wherein said stabilized ferritic stainless steel components exhibit soft magnetic properties capable of carrying a magnetic flux.

17. (Cancelled).

18. (Currently amended) A fuel injector assembly including an electric solenoid actuator, wherein said assembly comprises a fuel tube formed of an austenitic stainless steel and an injector body formed of a stabilized ferritic stainless steel, wherein said fuel tube and said injector body are joined together by welding, wherein said stabilized ferritic stainless steel comprises, in terms of weight percentage, about 21% to about 35% chromium and at least one element selected from the group consisting of titanium and columbium, and wherein each of said at least one element is present at no more than about 1.5 weight percent.

19. (Original) A fuel injector assembly in accordance with Claim 18 further comprising a coil body formed of stabilized ferritic stainless steel.

20. (Cancelled).

21. (Cancelled).

22. (Cancelled).

23. (Cancelled).

24. (Currently amended) A fuel injector assembly comprising a plurality of components, wherein at least one of said plurality of components is formed of solenoid-quality stabilized ferritic stainless steel, wherein said stabilized ferritic stainless includes, in terms of weight percentage, about 10% to about 35% chromium and between 0.26 and 1.5 weight percent of titanium.

25. (Currently amended) A fuel injector assembly comprising a plurality of components, wherein at least one of said plurality of components is formed of solenoid-quality stabilized ferritic stainless steel, wherein said stabilized ferritic stainless includes, in terms of weight percentage, about 10% to about 35% chromium and between 1.1 and 1.5 weight percent of columbium.

26. (New) A fuel injector assembly comprising:

- a seat assembly formed of a martensitic steel;
- a plurality of components formed of solenoid-quality stabilized ferritic stainless steel, wherein at least two of said plurality of components are adjacent and are joined together by welding, wherein said stabilized ferritic stainless steel comprises, in terms of weight percentage, about 10% to about 35% chromium and at least one element selected from the group consisting of titanium and columbium, wherein each of said at least one element is present at no more than about 1.5 weight percent, wherein said plurality of components includes an injector body and a solenoid body.